Midland College
Syllabus
2008-09
CHEM 2425 Lab
Organic Chemistry II Lab
4 Semester Credit Hours
(3 Lecture/4 Lab)

Course Description: This course will enable students to become proficient in the reactions and mechanisms of alcohols, phenols, ethers, aldehydes and ketones, carboxylic acids, and amines. Prerequisite: Chemistry 2423.


Personal eye wear is required.

Course Goals, & Objectives: It is expected of the student that they will prepare eight to twelve hydrocarbons and derivatives and prove their existence. Evaluation will be based upon performance and purity of sample.

Student Contributions and Class Policies: Student is expected to be prepared to attend class and to attend all classes. Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.

Evaluation of Student: A course grade is based upon sample preparation and the efficiency in meeting this objective.

Grades
A  90-100%
B  80-89%
C  70-79%
D  60-69%
F  <60%

Only one make-up test or lab each semester is allowed. Make-up test or lab must be completed within one week of absence. After one week grade will revert to “0.”

Course Schedule: See Attached Schedule.

Intellectual Competencies:

1. Reading - Understanding the material incorporated in the text used in this course will require the student to analyze and interpret various chemical concepts.

2. Listening - The primary teaching methods used in this course are discussion and lecture. Understanding the oral presentation of material will require the student to analyze and interpret various chemical concepts.
3. Critical Thinking - Critical thinking, as exemplified by problem solving, is inherent in the study of any scientific discipline. Chemical problems will be considered, discussed, and analyzed in this course.

ADA Statement:
Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the instructor as soon as possible. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations.

Exemplary Objectives:

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Competencies:
1. To understand and apply method and appropriate technology to the study of the natural sciences.

2. To recognize scientific and quantitative methods and the differences between these approaches and the other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.

4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.

5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

Instructor Information:
Instructor:
Office:
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